

Amendment to the Claims

1. (Original) A scroll fluid machine comprising:

a low-pressure stage compression part for compressing a fluid sucked in from an outside between mutually overlapping wrap portions of two scroll members performing a relative orbiting motion; and

a high-pressure stage compression part for compressing the fluid sucked in from said low-pressure stage compression part between mutually overlapping wrap portions of two scroll members performing a relative orbiting motion;

wherein the scroll members in said low-pressure stage compression part have a larger radial gap between said wrap portions than that of the scroll members in said high-pressure stage compression part.

2. (Original) A scroll fluid machine according to claim 1, wherein the scroll members in said high-pressure stage compression part provide a higher value of pressure rise than that provided by the scroll members in said low-pressure stage compression part.

3. (Original) A scroll fluid machine according to claim 1, wherein said wrap portions of the scroll members in said high-pressure stage compression part have a smaller wrap height than that of said wrap portions of the scroll members in said low-pressure stage compression part.

4. (Original) A scroll fluid machine according to claim 1, wherein said low-pressure stage compression part comprises a low-pressure stage fixed scroll member and a low-pressure stage orbiting scroll member, and said high-pressure stage compression part comprises a high-pressure stage fixed scroll member and a high-pressure stage orbiting scroll member, wherein said low-pressure stage scroll members and said high-pressure stage scroll members are provided spaced away from each other.

5. (Original) A scroll fluid machine according to claim 4, further comprising:
an electric motor having a single output shaft;
wherein said low-pressure stage orbiting scroll member and said high-pressure stage orbiting scroll member are provided respectively at both ends of said output shaft.

6. (New) A scroll fluid machine comprising:
a casing body;
a first bearing mount member fixed to a first side of said casing body;
a second bearing mount member fixed to a second side of said casing body;
a low pressure scroll unit provided on the first side of said casing body, said low pressure scroll unit comprising a first orbital scroll member and a first fixed scroll member attached to said first bearing member,
said first fixed scroll member having an end plate and a spiral wrap portion

provided on a surface of the end plate, and

said first orbital scroll member having an end plate and a spiral wrap portion provided on a surface of the end plate facing said first fixed scroll member; and

a high pressure scroll unit provided on the second side of said casing body, said high pressure scroll unit comprising a second orbital scroll member and a second fixed scroll member attached to said second bearing member,

said second fixed scroll member having an end plate and a spiral wrap portion provided on a surface of the end plate, and

said second orbital scroll member having an end plate and a spiral wrap portion provided on a surface of the end plate facing said second fixed scroll member,

wherein said wrap portions of said first fixed scroll member and said first orbital scroll member define a radial gap, and said wrap portions of said second fixed scroll member and said second orbital scroll member define a radial gap that is smaller than the radial gap defined by said wrap portions of said first fixed scroll member and said first orbital scroll member.

7. (New) A scroll fluid machine according to claim 6, further comprising an electric motor provided in said casing body so as to extend between said first fixed scroll member of the low pressure scroll unit and said second fixed scroll member of the high pressure scroll unit.

8. (New) A scroll fluid machine according to claim 7, wherein said electric motor includes an output shaft connected at opposite ends to said first and second orbital scroll members.

9. (New) A scroll fluid machine according to claim 7, wherein a wrap height of said wrap portions of said second fixed scroll member and said second orbital scroll member is smaller than a wrap height said wrap portions of said first fixed scroll member and said first orbital scroll member.